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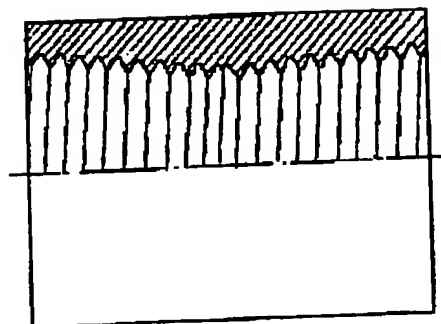
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INVENTOR : SHIBATA RYOJI;

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TITLE : SCREW TYPE JOINT



ABSTRACT : PURPOSE: To provide a screw type joint excellent in execution with neither sealant used nor rotation made of a pipe or a joint using a long-handle tool.

CONSTITUTION: The cylindrical section of a screw type joint is made of a shape memory alloy which is processed so as to be radially enlarged, and the kind of thread is limited to taper thread. A pipe is screwed in until it can hardly be manually rotated, let the joint itself be contracted only by heating its joint portion thereafter, so that the joint is surely fastened at its screw position. By this constitution, there is no fear of mixing sealant with fluid within a pipeline, and no fastening of the screw with force applied to a tool is required, so that plumbing can be facilitated in a narrow space or in a poor footing. A pipe joint made of a shape memory alloy is apt to be unreliable in fastening when the outer diameter of a pipe to be fastened is dispersed in dimension, however in the case of the aforesaid joint, its performance can be stabilized, because the outer diameter can be made uniform in a process when the pipe is threaded.

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